

Title (en)  
Direct sealing of a liquid optical device

Title (de)  
Direkte Dichtung einer optischen Flüssigkristallvorrichtung

Title (fr)  
Scellement direct d'un dispositif optique liquide

Publication  
**EP 1801622 A1 20070627 (EN)**

Application  
**EP 05112671 A 20051221**

Priority  
EP 05112671 A 20051221

Abstract (en)  
The invention concerns a method of manufacturing an optical device having a casing that defines a chamber containing first and second immiscible fluids moveable with respect to one another by electrowetting, said method comprising positioning a first transparent window in a first receiving means provided in said casing and directly sealing said first transparent window to said first receiving means by locally heating a region of said first transparent window in contact with said first receiving means to a first temperature to achieve a local softening of said region of said first transparent window.

IPC 8 full level  
**G02B 1/06** (2006.01); **G02B 3/14** (2006.01); **G02B 26/02** (2006.01)

CPC (source: EP)  
**G02B 3/14** (2013.01); **G02B 26/005** (2013.01)

Citation (search report)

- [XY] US 5659330 A 19970819 - SHERIDON NICHOLAS K [US]
- [Y] WO 0058763 A1 20001005 - UNIV JOSEPH FOURIER [FR], et al
- [Y] WO 2005073779 A1 20050811 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [Y] US 2005199720 A1 20050915 - BARKAN EDWARD [US]
- [Y] WO 2005073778 A1 20050811 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

Cited by  
CN105842763A; US2017289420A1; CN109254397A; CN105842840A; EP2009468A1; US7573646B2; US8100592B2; US7940467B2; WO2009003940A1; JP2013541031A

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